

Converting Colors

XYZ(21.2019, 23.9476, 14.6173)

Have a look what the booklet for
XYZ(21.2019, 23.9476, 14.6173)
contains.

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Color

**XYZ(21.2103, 23.9701,
14.5751)**

Conversions

Conversions Part 1

Format	Color
Hex	888960
RGB	136, 137, 96
RGB Percent	53%, 54%, 38%
CMY	0.4667, 0.4627, 0.6235
CMYK	0.01, 0.00, 0.30, 0.46
HSL	61°, 18%, 46%
HSV	61°, 30%, 54%
XYZ	21.2103, 23.9701, 14.5751
YIQ	132.0270, 12.5650, -12.9630

Conversions

Conversions Part 2

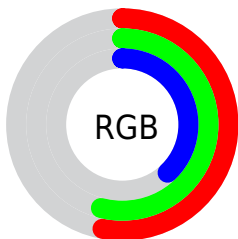
Format	Color
RYB	96, 137, 97
Decimal	8948064
CIELab	56.06, -7.32, 21.93
CIElCh	56, 23.117, 108.453
Yxy	23.9701, 0.3550, 0.4011
Android (android.graphics.Color)	4287138144 (0xFF888960)
YUV	132.0270, -17.7613, 3.4843
Hunter-Lab	48.9593, -8.3483, 16.6209

Details

The XYZ color **21.2103, 23.9701, 14.5751** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.6289, 12.7139, 25.4040**, and the grayscale version is **22.0012, 23.1470, 25.2071**.

A 20% lighter version of the original color is **44.9151, 49.8806, 34.8644**, and **7.7089, 8.9694, 4.2307** is the 20% darker color. If you saturate the color by 10%, you get **20.5796, 23.7124, 11.5351**, and if you desaturate by 10%, it is **21.9523, 24.2741, 18.1952**.

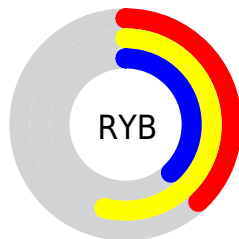
Distribution



Red (53%)

Green (54%)

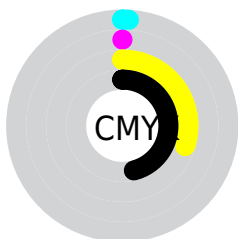
Blue (38%)



Red (38%)

Yellow (54%)

Blue (38%)

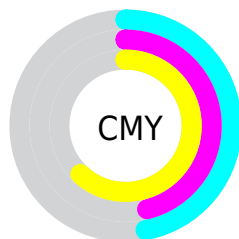


Cyan (1%)

Magenta (0%)

Yellow (30%)

Black (46%)



Cyan (47%)

Magenta (46%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2103, 23.9701, 14.5751 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.2103, 23.9701, 14.5751 by changing the saturation by 10% instead.

■ 21.2103, 23.9701,
14.5751

■ 21.2103, 23.9701,
14.5751

251.1046,
272.6693, 232.3313

■ 13.3911, 15.3114,
8.3784

■ 44.9259, 49.9814,
34.8377

■ 7.7773, 9.0383,
4.2468

■ 61.5531, 68.1028,
49.7408

■ 4.0034, 4.7661,
1.7617

■ 81.8470, 90.1473,
68.3830

■ 1.7040, 2.1107,
0.4025

■ 106.1729,
116.4992, 91.1830

■ 0.4588, 0.6706,
0.0000

134.8963,
147.5430, 118.5593

■ 0.0000, 0.0000,
0.0000

168.3825,

183.6630, 150.9304

206.9968,
225.2436, 188.7149

■ 21.2103, 23.9701,
14.5751

■ 21.2103, 23.9701,
14.5751

■ 20.5796, 23.7124,
11.5351

■ 21.9523, 24.2741,
18.1952

■ 20.0527, 23.4954,
9.0436

■ 22.8092, 24.6231,
22.4217

■ 19.6241, 23.3176,
7.0684

■ 23.7864, 25.0204,
27.2812

■ 19.2867, 23.1765,
5.5731

■ 24.8887, 25.4676,
32.7982

■ 19.0329, 23.0688,
4.5170

■ 26.1204, 25.9667,
38.9960

■ 18.8536, 22.9909,
3.8523

■ 27.4858, 26.5193,
45.8968

■ 18.7229, 22.9324,
3.4424

■ 28.9888, 27.1269,
53.5215

■ 18.7220, 22.9320,
3.4396

■ 30.6334, 27.7911,
61.8905

■ 32.4231, 28.5135,
71.0231

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.8164, 23.9701, 14.2692



21.2103, 23.9701, 14.5751



19.1837, 23.9701, 17.5800

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.2103, 23.9701, 14.5751



19.5727, 23.9701, 38.5920



28.1393, 23.9701, 29.1257

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.2103, 23.9701, 14.5751



13.6289, 12.7139, 25.4040

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



26.8061, 23.9701, 37.0037



21.2103, 23.9701, 14.5751



21.7796, 23.9701, 43.1341

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.2103, 23.9701, 14.5751



18.2900, 23.9701, 30.9878



24.4313, 23.9701, 42.5023



27.9571, 23.9701, 21.7541

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.2103, 23.9701, 14.5751



18.3712, 23.9701, 21.1059



24.4313, 23.9701, 42.5023



27.8496, 23.9701, 31.8241

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.2109, 23.9712, 14.5756



40.9650, 44.1419, 40.7467



16.6741, 14.6545, 13.0164



9.1411, 9.8816, 8.9055



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.2109, 23.9712, 14.5756



37.1858, 42.5990, 22.2538



18.2360, 22.4376, 14.4364



5.4192, 5.8388, 5.3938



17.4400, 21.3606, 3.2038



0.1176, 0.1428, 0.0214

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.6289, 12.7139, 25.4040



21.3083, 19.0235, 44.9320



16.0597, 13.9670, 25.5178



4.7852, 4.8977, 6.2990



4.2467, 1.7034, 22.1506



0.0295, 0.0120, 0.1472

Previews

White Background



This preview shows how the XYZ color 21.2103, 23.9701, 14.5751 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.2103, 23.9701, 14.5751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

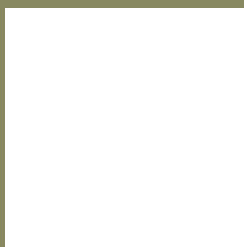
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2103, 23.9701, 14.5751

Background



This preview shows how black text looks on a background with the XYZ color 21.2103, 23.9701, 14.5751.



This preview shows how white text looks on a background with the XYZ color 21.2103, 23.9701,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.2103, 23.9701, 14.5751

Protanopia

22.2677, 23.8962, 14.2653

Deuteranopia

24.3529, 23.9533, 14.8952



Tritanopia

24.0793, 23.9065, 28.5446

Trichromacy



Original Color

21.2103, 23.9701, 14.5751

Protanomaly

21.8849, 23.9050, 14.2871

Deuteranomaly

23.1714, 23.9449, 14.7098

Tritanomaly

22.9044, 23.8312, 22.7947

Monochromacy



Original Color

21.2103, 23.9701, 14.5751

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5277, 23.3686, 20.8287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2103, 23.9701, 14.5751 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(136, 137, 96)` looks like.

```
.text, #text, p{  
    color:rgb(136, 137, 96)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(136, 137, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 137, 96) }
```

Border

The CSS property to change the border of an element to XYZ 21.2103, 23.9701, 14.5751 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(136, 137, 96) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(136, 137, 96) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(136, 137, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 137, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 137, 96);  
box-shadow:4px 4px 4px 4px rgb(136, 137,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2103, 23.9701, 14.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 137, 96) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(136,  
137, 96) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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